

The actual genome:

ATTTACGGGT CCTTCTTACGGGTGG

How the reads should be ordered:

ATTTACGGGT
ACGGGTCTT
6 GTCCTTTCTT
TTTCTTACGG
TTACGGGTGG

longest overlap we found

~~ATTTACGGGT
TTACGGGTGG~~

8

ATTTACGGGTGG

not in the genome

ACGGGTCTTTCTTACGG

not in the genome